GM 1909

181 & 09

Sl. No. 1-23

Invention re. Improvements in and relating to the treatment of India rubber, by Thomas Poetwin & the Ceylon Technical College Colombo Ceylon Electrical Engineer.

GTM

Previous references.

1909-10

(G.M)

Later references.

File No. 181-09
1-23
Serial Nos. 1-23

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1-23

Part B. for March 1911

SUBJECT.

Invention, re Improvements in and relating to the treatment of India rubber "by Thomas Cockerill of the Ceylon Technical college, Colombo, Ceylon Electrical Engineer

Sl 1] from Kempryson No 23-11-09. For the application of Thomas Cockerill of Ceylon Technical College, Electrical Engr for leave & Specification

Sl 2] To the Superintendent Govt Gardens No 3096 27-12-09 forwards the specification for report

Sl 3] To the Officer in charge Standard Huzur Treasury No 3097-12-09. Remits Rs for account of Stamps

Sl 4] To the Mayor of Kempton G. 3096 27-12-09 Forwards for being impressed with one Rupee stamp, the Power of Attorney received with Sl-1

G. R. S. 58

Sl-5. From the Officer in charge of the State Huzur Treasury No 15398 Acknowledges receipt of Rs. 10/- sent with serial 3.

6.

6. From the Supdt of Stamps No. 1098 & 8 12/09
Returns duly stamped the power of attorney received with sl-4.

7. To ——do—— G. 3572 & 10 1/10
Acknowledges receipt of the Power of Attorney sent with the above.

8. From the Supdt. Govt Gardens
No. 560 & 31.5.10. Returns with his opinion the specification sent with sl-2.

9. From Messrs. Remfry and Son, Calcutta
Letter & 31.5.10. Regrets to be informed when leave to file the specification can be granted &c.

10. To the Supdt Govt Gardens. G. 23 & 2 7/10
Returns the application received with serial 8 and enquires if the invention is new and Consists of any particular novelty.

11. To Messrs. Remfry and Son, Calcutta.
G. 24 & 2.7.10. With reference to serial 9 states, that the application has been referred for expert opinion which is awaited.

12. To the Supdt Govt Gardens No. 958 12 8/10
States, with reference to sl-10, that the invention is new, its novelty Consisting in the application of the Electric Current in the Coagulation of the latex and that leave to file may be granted.

Inventions Registered
No 17 of 09.

G.R.S.11] 1909.

GENERAL AND REVENUE SECRETARIAT

(Gen. Mis.)

NOTES.

G. M. File No. 181-09

FILE HEADING.

Invention for "Improvements in and relating to the treatment of India Rubber" by Thomas Cockerill of the Ceylon Technical College Colombo, Ceylon, Electric Engineer

From

Messrs Remfry & Son, Solicitors & Patent-Agents, Calcutta

No. Dated 23/11/09 Received 27/11/09

Diary No. 2158/5 Enclos. 2 Spare Copies Serial No. 1

BRIEF ABSTRACT OF LETTER.

Forwards application of Thomas Cockerill, of the Ceylon Technical College, Colombo, Ceylon, Electric Engineer, for leave to file a Specification under Part I of the Mysore Inventions and Designs Regn. 1894 in respect of an invention for "Improvements in and relating to the treatment of India rubber".

Subd.

NOTES AND ORDERS.

With the above a power of attorney ~~and~~ ~~a specification~~ and a sum of Rs 11 towards the appln fee and the stamp duty have been received. 3 drafts are herewith submitted (1) to the Officer in

NOTES—First sheet.

GPB—30,000—3-4-07.

G. R. S. 12]
General and Revenue Secretariat.

G. M. File No. 181 of 1909-10

Serial No.	
	charge of State Huzur Treasury remitting Rs 10/-. (2) To the Supdt of Stamps with the power of attorney and 1 rupee for stamping the power of attorney and (3) To the ~~State Geologist~~ Supdt Govt Gardens with the applin for favor of opinion
	30/11/09
	1/12/09
2.	To the Supdt Govt Gardens No G 3096 dt 7.12.09 forwards the Specification mentd in Sl 1 for report
3.	To the Officer in Charge of the State Huzur Dy No G 3095 dt 7.12.09 Remits Rs 10 (Ten only) being the fee in respect of the applin Calcn referred to in Sl 1
4	To the Supdt of Stamps in Urdu No G 3096 dt 7.12.09 forwards for being stamped and returned the powers of attorney received with Sl 1

NOTE—Contn. sheet.

GPB—55,000—27.4.09

5 No 153 dated 8/12/09 from the Officer in charge of the State Huzur Dry.
Acknowledges the receipt of Rs10/- sent with Sl 3

6 No 2260/09 dated 8/12/09 from the Supdt of Stamps
Returns duly stamped, the power of attorney received with Sl 4

3 Subd with Sls 5 and 6 for perusal
20/12/09 VS. Seen
Returns an acknowledgt
Mary Lawrence 23/12/09
Offg

5 Subd with a draft acknowledging the receipt of the stamped Power of Attorney
23/12/09 VS
Done
31/1/10.

PTO

NOTE—Contn. sheet.

GPB—50,000—18-5-08

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

4853

G. In File No. 187 of 1909—10

(4)

Serial No:	
7	To the Supdt of Stamps G. 3572 & 10.1.10 Acknowledge receipt of the Power of Attorney received duly stamped with Sl. Value. 2. As the Specification which was sent to the Supdt of Govt Gardens for Report on 7.12.09 has not yet been returned, he may be asked to expedite the matter. Draft with a draft reminder (Q. Draft 4.6.10) 6. Issue 5/4/10 Rems issued Nr G. 52288/7.4.10
8	From the Superintendent Govt Gardens No 866 d 36/31 Aug '10 With reference G Sl 2, Reports that the application may be granted as the invention sought to be patented will in no way interfere with the present various modes of Coagulating and preparing Latex for the market. 9. Submitted for orders (4/6/10) VDB 4/6 10 The Supdt's reply does not appear to be quite what is req'd by the Rules. Please put up a Copy of the Regn (Inventions & Designs) VDB 6/6/10.

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

L 4853

Govt. File No. 181 of 1909-10

Serial No.	
	11. A Copy of the Regn is herewith pursuant
	Subd
	(8/6/10)
	12. The Suppdt simply states that "the invention sought to be patented, will in no way interfere with the present various modes &c" & that therefore the applt may be granted. This is not the test or the basis on which the applt shd be dealt with. What is wanted is to know whether the invention is "new" and consists of any "particular novelty" to entitle the applt Govt to be granted Vide secs 5(1) & (3) of the Regn
	13. Point this out to the Suppdt & call for further opinion on the point
	9.6.10
	Above is submitted Recommended
	(16/6/10)
9.	From messrs Remfry & Son of Calcutta Letter dated 31st May 10.
	With reference to 8 & 1, enquires when leave to file specifications

Note—Contn. sheet.

GPB—55,000—27.4.09

G. R. S. 12]
General and Revenue Secretariat.

Gen File No. 181 of 190 9-10

(6)

Serial No.	
4917	may be expected in the matter and states that the corresponding Indian Case 615 of 1909 was granted on 5th January last and the Specification was filed on the date of the present letter. 4. — Messrs Remfry and Son may be informed that the application in question has been referred to an expert for opinion and that on its receipt, the question of its being granted will be considered. Submitted with a draft. Another draft to the Supt of Govt Gardens as per directions in paras 2 & 3 above is also put up. (Sgd) 10/6/10 Issued 11/6/10
10	20. The Supt of Govt Gardens. No G 23 d 2.7.10 With reference to d 8, observes that the latter information furnished in the above can not be considered as the last or basis on which the application should be dealt with and invites attention to Sec 5(3) of the Inventions Regs & requests that the specification may be examined once more

NOTE—Contn. sheet.

GPB—55,000—27-4-09

(7)

Serial No.	
	and a report sent at an early date.
793 / 11	To Messrs Remfry & Son, Calcutta No G 24 d 2.7.10
	With reference to Sl 9, informs that the application in question has been referred to an expert for opinion & that on its receipt, the question of granting leave to file a specification will be considered by Govt & the result intimated to him.
12	From the Supt, Gov Gardens, No. 99 d. 12.8.10. States that the inventor is new, its novelty consisting in the application of electric current in the coagulation of the latex & that leave to file the specification may therefore be granted. Subs with dfts Issued 17.8.10
13	To Thomas Cockerill, Colombo, No G. 1360 d/ 29. 8. 10. — Authorises him to file a specification of his invention refd to in Sl 1.
	To Messrs Remfry & Son, Calcutta, No G. 1361 d/ 29.8.10
14	— Fd the above G.O. for transmission to the applicant
15	From Messrs Remfry & Son. Letr d 10. 2. 1911 Files copies of the specification and advises remittance of Rs 30.—

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

G.S. File No. 181 of 1909-10

(8

Serial No.	
	The usual drafts are sent (money has been received vide M.O. Compn in 8 in 116 of 1910.)
3501/3767	The certificate at the bottom of the
13.	order requires signature
	Hs (125)
	16.2.11 Hrs 16/2 — Jamesm 17.2.11
16	To the Asst Compr in ch: of State Hqrs Treasy — No Cs 4918 dated 23rd Feby 1911.
	Forwards Rs 30/- received with the above & requests acknowledgment.
17	To the compiler, Mysore Gazette. No Cs 4919 dated 23.2.11
	Notifies the filing of the specification of the invention refd to above.
18	To messrs Remfry & Son, Calcutta. No Cs 4920 dy 23.2.11.
	Forwards copy of the above & returns the original of H13 with the certificate at foot thereof duly filled in
19	To the Supdt, Govt Museum, the State Geologist & the Chief Engineer
	No Cs 4921-3 dated 22nd Feby 1911.
	Forwards each a copy of the specifn and requests ackt-
20.	From the Supdt Govt Museum No. 217 dy 24.2.11. Acknowledges receipt of specification
21.	From the Asst Compr in charge S.H. Dry No. 343 dy 25.2.11 Acknowledges receipt of Rs30.
22.	From the State Geologist no. 1695 dy 28.2.11. Acknowledges receipt of specification. —
	The Chief Engineer's ackt will be communicated.
	Hs 8/3/11 Hrs-8 8/3/11 yes 8/3/11

NOTE— Contn. sheet.

GPB—50,000—12-8-10

Serial No.	
23	From The Chief Engr. No. 1805 dt 6.3.1911. Acknowledge receipt of the specifications

The papers may be recorded

21.3.11

BPG—55,000—27-4-09

G.M. 181 of 1909-10
8e/

D 2154
8

To

MYSORE,

THE SECRETARY TO THE GOVERNMENT OF ~~INDIA,~~
General and Revenue Department,
~~DEPARTMENT OF REVENUE AND AGRICULTURE (PATENTS~~).
Bangalore, Mysore.

From

REMFRY & SON,

Solicitors and Patent Agents,

CALCUTTA.

Dated Calcutta, 23rd Novr 09.

Sir,

We have the honour to forward herewith an Application of THOMAS COCKERILL, of the Ceylon Technical College, Colombo, Ceylon, Electrical Engineer, for leave to file a Specification under Part I of the Mysore Inventions & Designs Regulation, 1894; in respect of an Invention for "IMPROVEMENTS IN AND RELATING TO THE TREATMENT OF INDIA-RUBBER", and solicit the favour of your submitting the same for the orders of His Highness the Dewan of Mysore.

The Power of Attorney under which we are acting is sent herewith and the prescribed fee of ~~Rs~~ 10/- and ~~Rs~~ 1/- for stamping such Power of Attorney is sent by P.O.O. today.

An Application has been made for a corresponding Patent in India this morning.

We have the honour to be,

Sir,

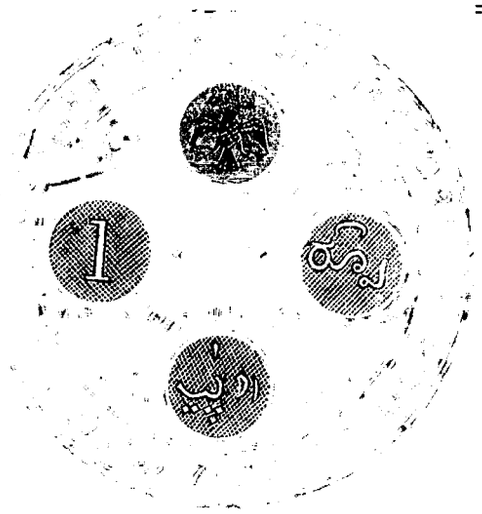
Your very obedient servants,

REMFRY & SON.

per

GOVERNMENT OF INDIA ONE RUPEE SPECIAL ADHESIVE

POWER OF ATTORNEY.



In the matter of the Inventions and Designs Regulations, 1894, of the Government of Mysore, and in the matter of THOMAS COCKERILL, of the Ceylon Technical College, Colombo, Ceylon, Electrical Engineer, an inventor.

I, the above named THOMAS COCKERILL, do hereby retain constitute and appoint RUPERT REMFRY & HAMILTON GREEVES REMFRY, both of Hastings Street, Calcutta, Patent Agents, as my Agents and Attorneys to apply for and obtain from the Government of Mysore and keep in force an exclusive privilege or Letters Patent for "Improvements in and relating to the treatment of Indiarubber", and I authorise them to sign my name to such papers and writings and do such acts regarding the same, including the appointment of a substitute or substitutes, as may be necessary or expedient.

Dated this 30th day of September 1909.

Signed sealed and delivered
at Manchester England
in the presence of:-

William G. Hugh
Deansgate Arcade 51
Manchester
Chartered Patent Agent

John O'Connell
Deansgate Arcade 51
Manchester

MYSORE GOVERNMENT GENERAL STAMP

Mysore.

3

A P P L I C A T I O N.

To the Dewan of Mysore:-

The Application of THOMAS COCKERILL, of the Ceylon Technical College, Colombo, Ceylon, Electrical Engineer, for leave to file a Specification under Part I of the Mysore Inventions and Designs Regulations, 1894.

1. The Applicant has obtained a Patent in the United Kingdom, No. 21441 of 1908, dated and sealed as of the 12th. October 1907 (although actually applied for on the 10th. October 1908 under the International Convention) and actually sealed on the 15th. day of July 1909, for "Improvements in and relating to the treatment of India-rubber".

2. To the best of the information and belief of the Applicant, the invention is new within the meaning of Part I of the Mysore Inventions and Designs Regulations, 1894, and no circumstance exists which, if the Applicant is authorised to file a Specification and files it in accordance with that Part, will disentitle him to an exclusive privilege thereunder in respect of the Invention.

The following is a description of the Invention:-

SOLICITORS & PATENT AGENTS REMFRY & SON. CALCUTTA

This invention relates to the separation or production of caoutchouc or indiarubber from the juice of the tree, such juice being hereinafter referred to as latex.

In carrying this invention into effect the latex has an electric current passed through it whilst it is upon or against an anode which moves continuously out of or away from the latex, the result being that the caoutchouc is continuously deposited upon the anode and can be continuously removed therefrom in the form of a thin sheet, which is easily and quickly dried.

The accompanying drawings illustrate one form of apparatus which may be used according to this invention.

Figure 1 illustrates the machine partly in side elevation and partly in vertical longitudinal section.

Figure 2 shows it in plan.

Mounted within a suitable framework are two wooden rollers B, B, carrying an endless travelling belt C. One of the rollers B is driven from the driving pulley D through speed reduction spur gearing so that the belt is caused to travel at a very slow speed. The outer surface of the belt is rendered electricity conducting in a manner to be hereinafter described and this electricity conducting surface is in contact with the brush E and thence with the positive pole of a dynamo or electricity generator. The surface of the belt C is thus capable of acting as the anode of an electrolytic bath.

At a slight distance above the surface of the anode is placed a cathode F of suitable metal or conducting material which is connected to the negative pole of the dynamo. This cathode may be fixed in any suitable manner

so as to be, say, from a quarter to half an inch above and parallel to the surface of the anode C, and may move in the manner of such anode or may be stationary as shown in the drawings. G, G, indicate rollers which may be used to support the under side of the upper part of the belt C.

The latex is contained within the tank A and is supplied through the pipe H to the filter J from which it falls on to the indiarubber or other apron K by means of which it is conducted to the anode belt C which travels slowly in the direction of the arrow. The latex is thus carried between the anode and the cathode, and, upon the passage of a suitable electric current, the caoutchouc is deposited in the form of a granular or other film or sheet upon the anode, and is carried by such anode towards the delivery end of the machine. The latex is prevented from running over the edges of the anode belt by flanges or like edges C^1 which make the belt upper surface into a form of trough into which the cathode closely fits.

To start the machine the latex is allowed to run upon and over the anode C until the space between it and the cathode F is filled, the apron K preventing the latex from running down over and out of the inlet end of the machine. The electric current is then switched on and allowed to pass through the latex for about two minutes. The surface of the anode will now be covered with a deposit of caoutchouc of a thickness depending on the strength of the current and density of the latex. The endless belt anode is then set in motion. The latex which is now being

continuously supplied to the upper surface of the anode is thus continuously carried in between the anode and the cathode (the supply being properly regulated so as just to keep the space filled), and the contained caoutchouc is continuously deposited upon the surface of the anode. The continuous deposit, film, sheet or the like thus produced upon the anode may be consolidated thereupon or removed therefrom in any suitable manner in a continuous sheet which may afterwards be cut up.

It is preferred to consolidate to some extent the caoutchouc deposit upon the belt itself before it is removed therefrom, and to achieve this the belt may pass between couch rollers L, L^1, the bottom one of which L^1, may be of hard wood and the upper one of vulcanised indiarubber. The effect of these rollers is to consolidate the deposited caoutchouc and thus bring it to a condition in which it may be more effectively removed from the surface of the anode belt.

The sheet of rubber M is then removed from the surface of the travelling anode by any suitable scraper or the like such as N. The exhausted or partly exhausted mother liquor now escapes from the belt and falls into a suitable tank O, from which, if not exhausted of its caoutchouc, it may be returned for further electrolytic treatment. The caoutchouc sheet M may be conducted by the scraper and guide to the squeezing rollers P, P^1, which are driven at the same surface speed as the belt anode. These rollers are of plain or fluted metal or like hard material and expel any remaining liquid from the sheet or layer of caoutchouc and sufficiently consolidate it

that it may undergo the process of washing.

The caoutchouc sheet is delivered by the rollers into the washing tank Q containing hot water and which may be either externally or internally heated. It passes under or over revolving brushes or other well known scrubbing or washing devices so that it is thoroughly cleansed. The hot caoutchouc from the washing tank now passes between further consolidating or compressing rollers R, R^1.

These last rollers are preferably of polished metal and internally steam heated, and they thoroughly consolidate and polish or smooth and dry or partly dry the sheet of caoutchouc. Any known or suitable form of drying apparatus may, if desired, be used.

From the rollers R, R^1, the sheet of caoutchouc M may be delivered to a table S upon which it may be cut up into sheets of convenient size.

If desired the deposited layer of caoutchouc may be separated or partially separated from the belt before it reaches the couch rolls. To effect this two scrapers T, edged with aluminium may be arranged diagonally partly across the belt from each edge (see Figure 2) to have the effect of turning or folding the deposited caoutchouc over upon itself or doubling it before its passage through the couch rolls, so that a thicker and more easily handled layer or sheet is formed. Succeeding rolls would again widen out the sheet as they made it thinner.

The catch tank O is preferably formed with an upper sieve surface U having a mesh of about 66 to the square inch by means of which any deposited caoutchouc which has run down with the mother liquor is caught.

The different pairs of rollers ensure the proper transmission and delivery of the sheet of caoutchouc after it is taken from the travelling anode. They may all rotate with the same surface speed as the travelling anode, or the last pair R, R^1, may rotate at a slightly higher speed. A convenient surface speed to give to the travelling anode is about three feet per minute.

The current used may be varied as long as it is sufficient to effect the described result. A convenient current is one of ten amperes per square foot of cathode surface at one hundred volts, but it will, of course, be varied according to variations in the density or conductivity of the latex.

The travelling anode may itself be of metal mounted on insulated rollers, but owing to the difficulty of obtaining a metal sufficiently flexible which is strong enough for the work, it is preferred to form the belt of a flexible textile or other material and provide it with a continuous thin conducting surface. Such a belt may conveniently be of vulcanised indiarubber with canvas insertion and be well covered with plumbago or blacklead, or it may have metal foil or thin sheets secured to it.

A metal suitable for use in or as both the anode and the cathode is aluminium.

It is of course to be understood that although I have particularly described my moving anode for the continuous deposit or production thereon of a thin film or sheet of indiarubber as being of the travelling belt type, still my invention is by no means confined to the use of a travelling belt. For example the anode may be a metallic

cylinder revolving partly immersed in a tank of the latex and closely and concentrically surrounded at its submerged part with a cathode. Such cylinder will be connected to the positive pole of a dynamo, and the cathode to the negative pole as before, and upon the passage of current the caoutchouc will be deposited upon the revolving cylinder and be carried out of the tank and removed in the form of a continuous sheet by suitable scrapers after, if desired, passing under consolidating and like rollers pressing upon the anode cylinder.

Or a disc of metal may similarly rotate as an anode in a bath of latex and remove a continuous sheet or two continuous sheets of caoutchouc. After separation from the cylinder or disc the caoutchouc may be washed in the same manner as has before been described with reference to the travelling belt.

T.C. per HCh

Caoutchouc obtained in the above described manner from a neutral or alkaline bath of latex is free from impurities; it is alkaline or at least only slightly acid; it will keep a long time without showing any signs of soft stickiness; it retains its elasticity, and the process effects a very great saving in the time required for obtaining from the latex the caoutchouc in an easily handled and marketable condition.

The caoutchouc not being handled during manufacture is less liable to have impurities introduced into its surface; it has better qualities because of the absence of soft stickiness, and the process being continuous a very large quantity of latex may be treated in a short time.

It is preferred to mount the apparatus upon a truck or

vehicle with an independent source of power and electricity, the source of power being utilised to propel the vehicle to different parts of the estate or where it is required.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:-

1. The process of continuously separating caoutchouc from the latex, which consists in electrolytically depositing the caoutchouc upon a moving anode, substantially as hereinbefore described.

2. The process of obtaining a continuous sheet of caoutchouc from latex, which consists in electrolytically depositing the caoutchouc upon a moving anode and in consolidating and washing such deposited caoutchouc, substantially as hereinbefore described.

3. Electrolytic apparatus for continuously separating caoutchouc from latex, which apparatus comprises a cathode, and a moving anode upon which the caoutchouc is deposited substantially as described.

4. Electrolytic apparatus for continuously separating caoutchouc from latex, which apparatus comprises a cathode, a moving anode upon which the caoutchouc is deposited in a continuous layer and from which it is removed in the form of a continuous sheet by scrapers or like appliances, all substantially as described.

5. Electrolytic apparatus for continuously separating

caoutchouc from latex, which apparatus comprises a cathode a moving anode upon which the caoutchouc is deposited in a continuous layer, appliances for removing the caoutchouc from the moving anode in a continuous sheet, and consolidating appliances, and, if desired, washing applicances, all substantially as described.

6. Apparatus constructed and arranged as hereinbefore described and illustrated for effecting the electrolytic separation of caoutchouc from latex in a continuous layer or sheet.

7. The combination with the electrolytic separating device herein described of steam heated rollers or other suitable drying device for drying or partially drying the produced sheet of caoutchouc, substantially as hereinbefore described.

4. The Applicant, therefore, applies for leave to file a Specification of the Invention pursuant to Part I of the Mysore Inventions & Designs Regulation, 1894.

THOMAS COCKERILL,

By his Agent,

H. G. Remry

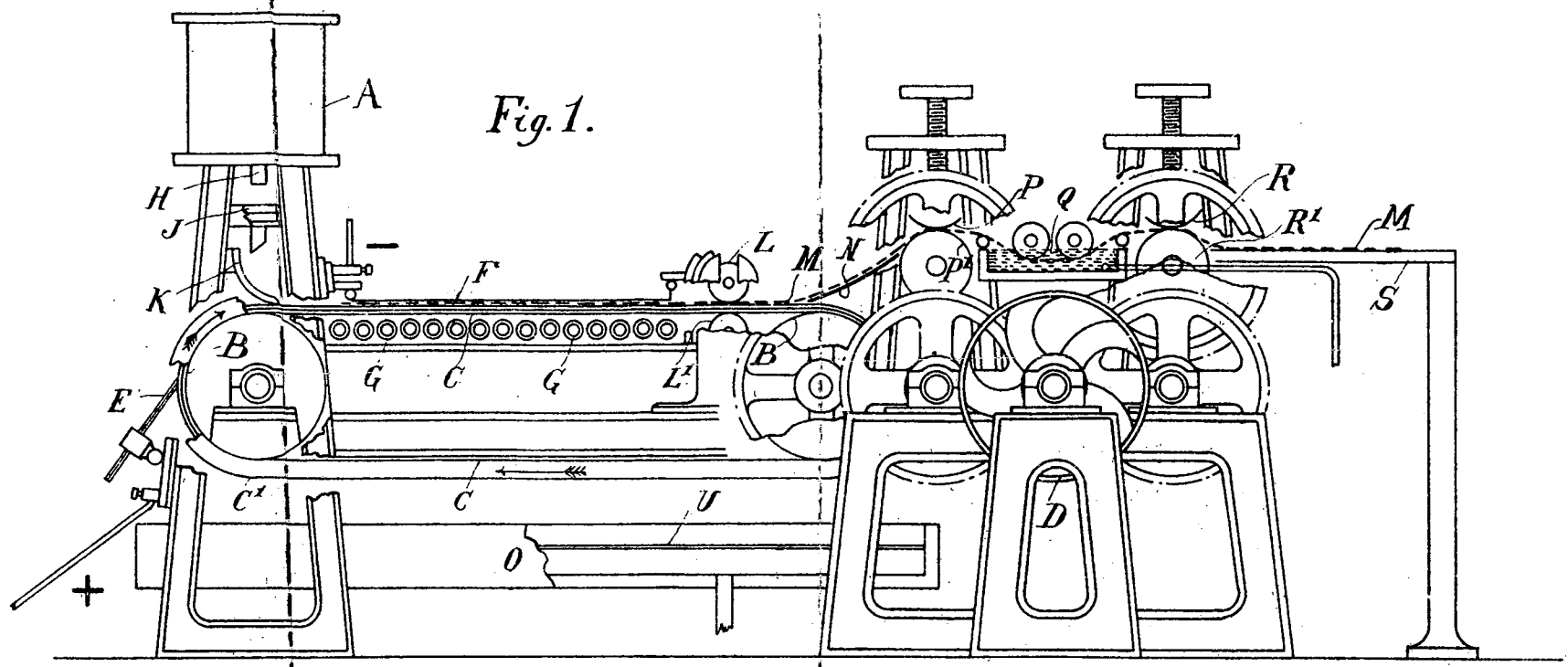
I, HAMILTON GREEVES REMRY, of Calcutta, Patent Agent, the duly appointed Agent of the Applicant above named, do declare that the facts stated in this Application are true to my knowledge, except as to matters stated on information and belief, and as to those matters I believe them to be true.

Dated this 23rd Day of November 1909.

H. G. Remry

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1.



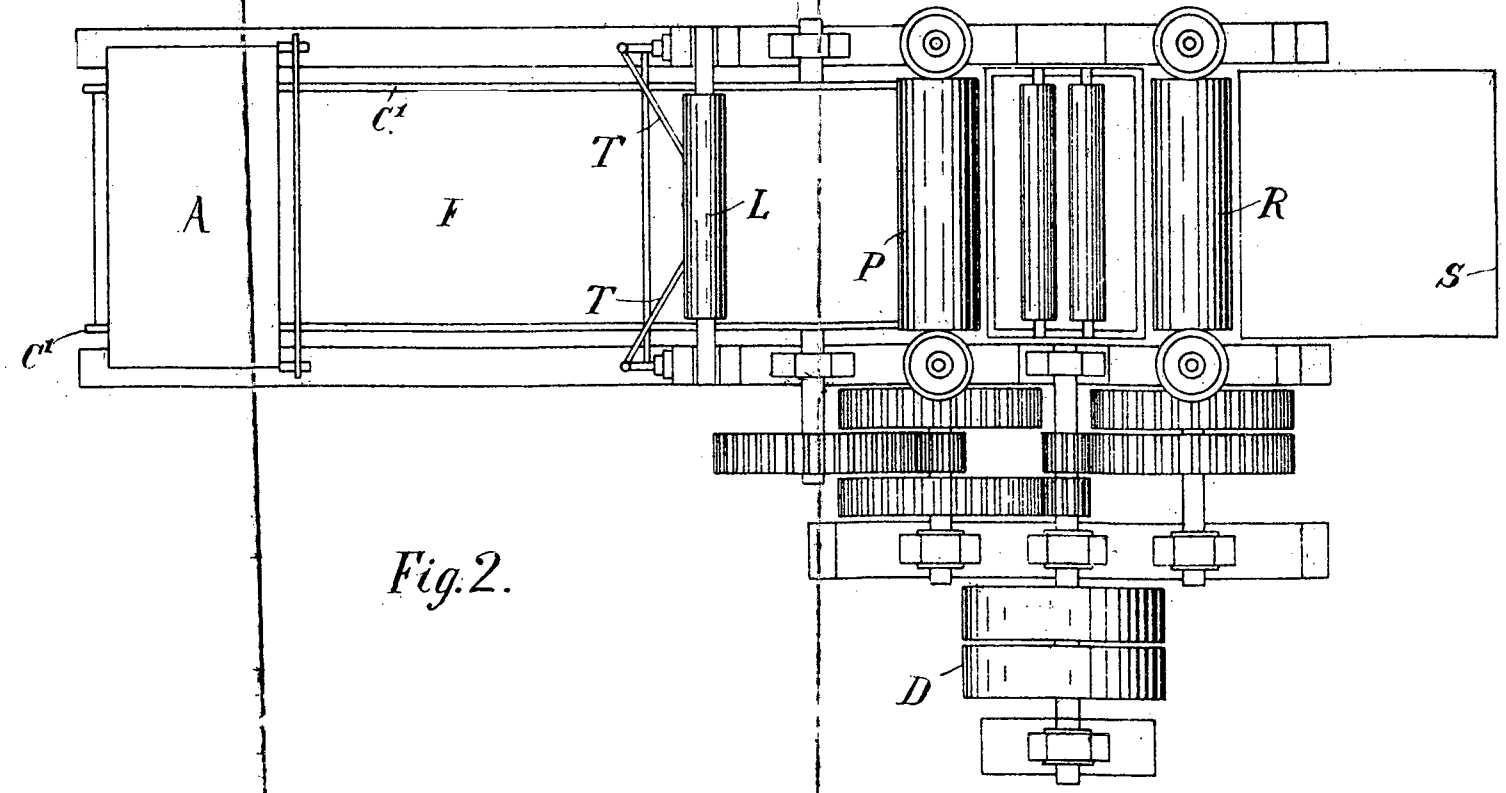


Fig. 2.

Malby&Sons, Photo-Litho.

COUPON TO BE RETAINED BY PAYER.

[The Remitter may write here any short instruction to the Payer, and he is recommended to add his name and address for the information of the Payee.]

Amount of Order £ 11/-d.

Name of remitter Remfry & Son.

Application fee & stamping P/A of T.Cockerill. See letter of 23rd inst.

REMFRY & SON.

(13

RG
27/10/09

To BVT for note & return

RG
27/10/09

G.R.S. 29A]

190

14

From

Secy. to the Govt. of His Highness
the Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Supdt. of Govt
Gardens

Dated

Despatched 7.12.09

Received

General No. G. 3094

No. G.M. 181-08-2

Enclosure No. /

Has the honor to forward for report under Sec: 6(2) of the Mysore Inventions and Designs Regulation an application for leave to file a specification of an invention for "Improvements in and relating to the treatment of India Rubber" made by Mr Thomas Cockerill of the Ceylon Technical college, Colombo

*(To be kindly returned with the report)

B. O.

for Secretary

30/11/09

MGCPB--20,000--16-2 05

With Rs 10/- money order sent 8/12/09

3 d of 09

(15)

G.R.S. 29A]

190

From

Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Dept.

To

The Officer in Charge of the State Huzur Treasury

Dated

Despatched

Received

General No. 3095

No. G.M. 187-09-3

Enclosure No. with Rupees ten only

Has the honour to remit herewith Rs 10/- (ten only) being the fee for the application of Mr Thomas Cockerill of the Ceylon Technical College, Colombo, Ceylon, Electric Engineer, for leave to file a Specification in respect of an invention for "Improvements in and relating to the treatment of India-Rubber", and to request an acknowledgment thereof.

B. O.

for Secretary

15

MGCPB--20,000 16-2-05

30/11/09

3 drafts

With R. 1/-
money receipt sent
8/12/09

G.R.S. 29A]

190

From

Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Dept.

To

The Supdt. of Stamps

Dated

Despatched 7-12-09

Received

General No. G. 3036

No. G. Dn. 181 09-11

Enclosure No. 1

Has the honor to forward herewith, ~~a power of attorney executed~~ for being stamped with one rupee stamp and returned, a power of attorney executed by Mr. Thomas Cockerill of the Ceylon ~~the~~ Technical College, Colombo, in favor of Messrs Remfry & Son Solicitors, Calcutta in the matter of applying for and obtaining ~~the~~ from the Mysore Govt. the exclusive privilege for "Improvements in and relating to the treatment of India Rubber"
Rupee one is also herewith sent.

By order

for Secretary

30/11/09

MGCPB--20,000--16-2-08

(17)

G. M. 181 of 1909-10. Sec 5

MYSORE GOVERNMENT.

SVS

D

No. 153

Vouchers 9/12

Rs. 10/-

Received From the Secretary to the Government of His the Maharaja of Mysore, General and Revenue Depart

the sum of Rupees Ten only, being the applic fee of Mr. Thomas Cockerell of Ceylon, in respec "Improvements relating to India Rubber" and this day Vide, his No. Q 3095/Gm 181-09-3 date

H. H. The Maharaja's State Huzur Treasury,
Bangalore, the 8 December 190 9

~~By Order,~~

Exd.

Hd. Acctt. ~~Bakshi.~~ Treasurer

Treasury Officer, State Huzur Treasury.

S/S N 49/12

D 2260

G.M. 181 of 1904-10 1909

Sl 6

From K Krishna Iyer Esqr
Superintendent of Stamps
in Mysore.

To C. S. Balasundram Iyer Esqr B.A.
Offg Secretary to the Government
of Mysore
General and Revenue
Departments Bangalore

Dated 8th

Despatched

Received December/09

General No. 109
No.

Enclosure No. One Stamped
Power of Attorney

Sir,

I have the honor to return herewith, duly Stamped the Power of attorney received with your docket no G. 3096 dated the 7th instant;

G.M. 181-09-4

An acknowledgment is requested.

I have the honor to be
Sir,
your most obedient servant

K Krishna Iyer
Superintendent of Stamps
in Mysore.

GPB—2,00,000—12-4-09

2260

G.R.S. 29A]

190 .

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The the Supdt. of Stamps

Dated

Despatched 10-1-10

Received

General No. G.35'72

No. G.M-181-09-7

ENCLOSURE NO.

Has the honor to acknowledge the receipt of the Power of Attorney returned by him duly stamped with his Office No. 109 dated 8/12/

By order

for Secy to Govt.

23/12/09

8/1/10

V/10 Gm 24853

1909-10. C.

Rev. 1819 09-10

& 8.

From

G. H. KRUMBIEGEL, Esq.,
Economic Botanist,
Supt., Govt. Gardens.

To

C.S.Balasundaram Iyer,Esq.,B.A.,
Offg.Secretary to the Govt.of H.H.the
Maharaja of Mysore, Gen.& Rev. Deptts.

Dated 30th May 1910.

Despatched 31

Received

General No. 560
No.

Enclosure No. /

Offering opinion on Mr.Thomas Cockerill's application for leave to file a specification of an invention for "Improvements in and relating to the treatment of India Rubber."

GPB—9,00—21-5-09

No. 560
enc 1 Appln

Office of the Economic Botanist,
Superintendent, Govt.Gardens,
Lal-Bagh, B a n g a l o r e,
Dated 30th May 1910.
3/.

From

G.H.Krumbiegel,Esq.,F.R.H.S.,
Economic Botanist,
Supt.,Govt.Gardens.

To. C.S.Balasundaram Iyer,Esq.,B.A.,
Offg.Secretary to the Govt.of H.H.the Maharaja of Mysore,
General and Revenue Departments.

Sir,

In returning herewith the application for leave to file a specification in respect of an invention for "Improvements in and relating to the treatment of India Rubber", made by Mr.Thomas Cockerill of the Ceylon Technical College,Colombo, forwarded with your No.G.3094/G.M.181-09-2 dated 7th December 1909, I have the honor to report that in my opinion the application may be granted as the invention sought to be patented will in no way interfere with the present various modes of coagulating and preparing latex for the market.

I have the honor to be,
Sir,
Your most obedient servant,

G.H. Krumbiegel

Economic Botanist,
Superintendent, Govt.Gardens.

Genl. 181 of 09-10
819

(D 491)

To

THE SECRETARY TO THE GOVERNMENT OF ~~INDIA,~~ MYSORE,
Genl & Rev Dept.
~~DEPARTMENT OF REVENUE AND AGRICULTURE (PATENTS).~~
Bangalore, Mysore.

From

REMFRY & SON,

Solicitors and Patent Agents,

CALCUTTA.

Dated Calcutta, 31st May 10.

Sir,

re T.COCKERILL. Mysore.

We have the honour to solicit the favour of your informing us when leave to file Specifications may be expected in this matter. The Application was posted on the 24th Novr 1909 and received in your Office on 27th Novr 1909.

The corresponding Indian case 615 of 1909 was granted on 5th Jany last and the Specifications were filed today.

We have the honour to be,

Sir,

Your very obedient servants,

REMFRY & SON.

per

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Superintendent
Lloyd Garden

Dated 2. 7. 10.

Despatched

Received

General No. G 23
Gen No. 181-09-10

ENCLOSURE No. 1

With reference to his letter no 560 dated the 30th/31st may ult, returning the application for leave to file a specification in respect of an invention for "Improvements in and relating to the treatment of India Rubber" with his opinion that it may be granted as the invention sought to be patented, will in noway interfere with the present various modes of Coagulating and preparing latex for the market" has the

honor to observe that the above
~~observation~~ fact can not be considered
as the test or basis on which
the application should be
dealt with and to invite his
(the Subs) attention to section
5 (1) & (3) of the Inventions ~~1949~~,
and designs Regulation 1949
from which it ~~can~~ will be seen
that what is wanted to be decided
~~is~~ is whether the invention is "new"
and consists of any "particular
novelty" to entitle the
application to be granted

The application is therefore
referred again to the Subs
with a request that it may
be examined in the light of
~~indicated by the section~~ the above
~~referred to~~ remarks and a report
sent ~~as~~ is as an early date

By order

Dft

11/6/40

Dorothy Lacy

Ver 10/6

G.R.S. 26

File No. 181-09
Serial No. 11

Diary No. of letter replied to

No 6, 24

General and Revenue Secretariat
( )
, *the* 190

To
Messrs Remfry and Son
Solicitors and Patent Agents
Calcutta

Date of issue 2. 7. 10

Signed by Sir H. Ramaswamy

Gentlemen,

With reference to your letter dated the 31st ult. enquiring when leave to file specification may be expected in the matter of the application from Mr. T. Cockerill forwarded with your letter dated the 24th November 1909, I am directed to state that the application in question has been referred to an expert for opinion and that on its receipt, the question

over.

SUBJECT.

granting leave to file
a specification will be
considered by Govt
and the result intimated
to you.

I have &c

sd/- 10/11/10

Yoo Ng Lee

Yoo Ng Lee

10/11/10

List of enclosures

Copied by

Examined by

GPB—10,000—20-4-06.

1910.-11.

D 793
5.

From

G. H. KRUMBIEGEL, F.R.H.S.,
ECONOMIC BOTANIST,
SUPT., GOVT. GARDENS.

To C. S. Balasundaram Iyer Esq B.A.
Offg: Secretary to Government,
General and Revenue Depts.

Dated 12th August 1910

Despatched 13

Received

General No. 99
No.

Enclosure No. 2

Jm. 18/09
8.12

Informing that leave for filing a specification in respect of an invention for "Improvements in and relating to the treatment of India Rubber" can be granted the invention being new consisting of a particular mouthg

No. 99
Encl 2

OFFICE OF THE ECONOMIC BOTANIST,
SUPERINTENDENT, GOVT. GARDENS,
LAL-BAGH, BANGALORE.

Dated 12th August, 1910.
15

From

G. H. KRUMBIEGEL, F.R.H.S.,
ECONOMIC BOTANIST,
SUPERINTENDENT, GOVT. GARDENS.

To

C.S.Balasundaram Iyer,Esq.,B.A.,
Offg. Secretary to the Government of His Highness the
Maharaja of Mysore,General and Revenue Departments.

Sir,

In reply to your No. G. 23/ G.M. 181-09-10 dated 2nd ultimo, I have the honor to state that the invention under consideration is "new its particular novelty consisting in the application of Electric current in the coagulation of the latex and the application for leave to file a specification can, therefore, be granted under the ~~Improvements~~ Inventions and Designs act.

I have the honor to be,

Sir,

Your most obedient servant,

Economic Botanist,

Superintendent, Government Gardens.

V.R.R.

R. C. 1360
G.M. 187-09-13

GOVERNMENT OF MYSORE

General Department.

Register No. 17 **of 1909-10**

Bangalore, the 29. 8 *1910.*

WHEREAS an application, dated the 23rd Nov. 1909 and received on the 27th-Nov 1909, has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by Thomas Lockerall of the Ceylon Technical College, Colombo, Ceylon, Electrical Engineer

(hereinafter referred to as "the applicant") for leave to file a specification of an invention for "Improvements in and relating to the treatment of India Rubber"

And whereas the applicant has duly complied with all the requirements of Section 5 of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

17-8-10

Draft for

Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

VS

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the thirteenth day of February 1911 190

17.2.11

Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

(Section 8 of the Inventions and Designs Regulation, 1894.)

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege.

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely :—

(*a*) the time for making a payment shall not in any case be enlarged for more than three months ; and

(*b*) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

GPB—500—7-4-09.

G.R.S. 26]

File No. 1809

Serial No. 14

Diary No. of letter replied to 793.

No. G. 1361

Env 1.

General and Revenue Secretariat

( )

, *the* 190

To

Messrs. Remfry & Son

Solicitors Patent Agents

Calcutta

Date of issue 29. 8. 18.

Signed by Dr B. Ramaswamiah

Gentlemen,

With reference to the correspondence ending with this Office letter No. G. 24/fin 1809, dated the 2nd. ultimo in connection with the application of Mr Thomas Lockehill of the Ceylon Technical College for leave ~~to file~~ to file a Specification of an invention for "Improvements in and relating to the treatment of India Rubber", I am directed to forward herewith for transmission to the

P. T. over.

SUBJECT.

applicant the G.C. granting
leave to file the specification
thereof
17.8.00

List of enclosures

Copied by

Examined by

GPB—10,000—20-4-06.

V 13/2/80 VT. D 3501/9

Qu 181-09-15

To

THE SECRETARY TO THE GOVERNMENT OF ~~INDIA,~~ MYSORE
Genl & Rev. Departments,
~~DEPARTMENT OF REVENUE AND AGRICULTURE (PATENTS).~~
Bangalore, Mysore.

From

REMFRY & SON,

Solicitors and Patent Agents,

CALCUTTA.

Dated Calcutta, 10th Feby 11

Sir,

Pursuant to the Order dated 29th August 1910, Register No. 17 of 1909-10, we have the honour to forward four copies of the Specification of THOMAS COCKERILL, of the Ceylon Technical College, Colombo, Ceylon, Electrical Engineer, in respect of his invention for "Improvements in and relating to the treatment of India Rubber".

The Specification filing fee of Rs30/- is sent by P.O.O. today.

The above mentioned Order is enclosed and we solicit the favour of your filling in the Certificate at foot thereof and having same duly signed.

We beg to name our Office in Calcutta as the address under the Act.

We have the honour to be,

Sir,

Your very obedient servants,

REMFRY & SON.

per

G.R.S. 26]

For File No. 181-09
Serial No. 16

Diary No. of letter replied to

No. G 4918 with Rs Nos 15.

General and Revenue Secretariat
( )
, the 19 .

To

The Ass^{t} Comptr. in charge
of the S. H. Dry.

Date of issue 23. 2. 11

Has the honr to remit here-
with Rs 30. being the sum
received from Messrs Remfry &
Sun on acct of fees for filing a
specification of an invention for
"Improvements in or relating
to the treatment of Jaffna Rubber
by Mr. Thomas Cockerill, Ceylon.
The favour of an acct is requested
Rec.

17-2-11
for collector.

Signed by M. B. Ramasvamayya

SUBJECT.

MYSORE GOVT. GEN. & REV. SECRETARIAT

No. Cr.49/1911-12 181-09-17 Dated Bangalore, 23rd February 1911.

NOTIFICATION.

(PATENT.)

The following specification of an invention has been filed in accordance with Sections 8, 9, 10 and 11 of Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Departments, and on payment of a fee of one Rupee.

By Thomas Cockerill of the Ceylon Technical College, Colombo, Ceylon, Electrical Engineer.

"Improvements in and relating to the treatment of India-Rubber."

By Order,

17.2.11

Secretary.

To

The Compiler, *Mysore Gazette*, for publication

No. G.4920 Enc 2
Gen. 181-09-18

MYSORE GOVT. GEN. & REV. SECRETARIAT.

Dated Bangalore, 23rd Feb 1911.

From

The Secretary to the Government of H. H. the Maharaja of Mysore,
General and Revenue Departments.

To

Messrs. Remfry & Sun
Solicitors Patent Agents
Calcutta

~~Sir,~~ Gentlemen,

With reference to your letter dated 10th Feb 1911 I am directed to forward copy of a Notification No. G.4919/Gen 181-09-17 dated 23-2-11 issued by this Government in regard to the invention filed by you under Regulation XI of 1894 (The Inventions and Designs Regulations.)

The order granting permission to file specification is herewith returned, with the certificate at foot, duly filled in and signed.

I have the honor to be,
Sir,
Your most obedient servant,

17-2-11

for C.S. *Secretary.*

G.R.S. 26]

For File No. 181–09

Serial No. 19

*Diary No. of letter replied to*_____

No. G 4921–3

General and Revenue Secretariat

( )

, *the* *19*

To

The Supdt. Govt. Museum

the State Geologist

the Chief Engineer

Date of issue 23 - 2 - 11

Signed by M. B. Ramaswamayya.

Has the honor to forward herewith for record a copy of the specification of an invention for Improvements in & relating to the treatment of India Rubber" by Mr. Thomas Cockerill of the Ceylon Technical College.

The favour of an ackt is requested

By order

17.2.11

2 Colts Secy

over

SUBJECT.

35

No. 217

OFFICE OF THE ECONOMIC BOTANIST,
SUPERINTENDENT, MYSORE GOVERNMENT MUSEUM,
Bangalore, dated 24th February 1911.

FROM

G. H. KRUMBIEGEL, ESQ., F.R.H.S.,
Economic Botanist,
Superintendent, Mysore Govt. Museum,
Bangalore.

To

C. S. Balasundrum Iyer Esq., B.A.,
Offg. Secretary to the Govt. of H. H.
the Maharaja of Mysore, Gen. & Rev. Depts.,
Bangalore.

Sir,

I have the honor to acknowledge the receipt of a copy of the Specification of an invention for "Improvements in and relating to the treatment of India Rubber" by Mr. Thomas Cockerell of Ceylon Technical College, forwarded with your No. G. 4921-3 G.H. 181-09-4 dated the 23rd instant.

I have the honor to be
Sir,
Your most obedt. Servant,

G. H. Krumbiegel
Economic Botanist,
Supdt., Mysore Govt. Museum
Bangalore.

Gn 181-09-20

D 3738.

1911

From

G. H. KRUMBIEGEL, Esq., F.R.H.S.,
Economic Botanist,
Supt., Mysore Govt. Museum,
Bangalore.

To C. S. Balasundram Esq. B.A.
Offg. Secretary to the Govt. of H.H.
the Maharaja of Mysore. Govt. Res. Dept.

Dated
Despatched 24th } February 11
Received

General No. 2173 1910-11
No.

Enclosure No.

Acknowledging the receipt of a Copy of the Specification of an invention for "Improvements in and relating to the treatment of India Rubber" by Thomas Cockerill of the Ceylon Technical College.

GPB—300—15-7-10

D 3762

Gn 181 09-21 (36

No 343

Rs 30/-

Received from the Officiating Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Department,

the sum of Rupees Thirty only, and Credited thus:-

as desired Vide, this No Q 4918/Gn 181-09-16 dated 23.2.1911.

H. H. The Maharaja's State Huzur Treasury,

Bangalore, The 25 February 1911.

By Order,

Asst Comptroller in charge,

Exd.

Hd. Acctt.

Bakshi.

Treasurer

Treasury Officer, State Huzur Treasury.

Gm 181-09-22

M.G.D. 13] MYSORE GEOLOGICAL DEPARTMENT.

Dated Bangalore, 28th Feby. 1911.

D 3767
9.

No. 1695-

From

E. W. WETHERELL, Esq., A.R.C.S., F.R.P.S.L., F.G.S.,
Offg. State Geologist in Mysore.

To

C. S. Balasundaram Iyer Esquire, B.A.,
Offg. Secretary to the Government of His Highness
the Maharaja of Mysore.
General and Revenue Departments.

Sir,

I have the honour to acknowledge the receipt of a copy of the specification in respect of an invention for " Improvements in and relating to the treatment of India Rubber " filed by Mr. Thomas Cockerill of the Ceylon Technical College, forwarded with your docket No. G 4921-3 / G. M. 181-09-19 dated 23rd February 1911.

I have the honour to be,
Sir,
Your most obedient servant,

K. Balasundaram

Offg. State Geologist in Mysore.

GPB—480—4-1-11

No. 1805

MYSORE P. W. DEPARTMENT.

CENTRAL OFFICE.

Bangalore....6th. March.....1911 .

From

M. VISVESVARAYA, ESQ., M.I.C.E.,
Chief Engineer of Mysore,
Bangalore.

To

C.S.Balasundaram Iyer, Esq., B.A.,
Offg Secretary to the Government of
His Highness the Maharaja of Mysore,
General and Revenue Departments, Bangalore.

SIR,

I have the honour to acknowledge the receipt of a copy of the Specification of an invention for "Improvements in and relating to the treatment of India Rubber", received with your docket No. G. 4921-3/G.M.181-09-19 dated 23rd ultimo.

I have the honour to be,
Sir,
Your most obedient servant,

Deputy Chief Engineer,
Mysore P.W.Department.

S.S.

GPB—500—13.12.10

D 3905
5

V
9/3 2pr

19

MYSORE P. W. DEPARTMENT.

Qu 181-09-23

No. 1805

From

THE CHIEF ENGINEER OF MYSORE,

Bangalore.

To

The Secretary, Govt
of Revenue Departments

Dated Bangalore, 6th March 1911

Despatched

Enclosure No.

SUBJECT.

Returning the receipt
of a copy of the Specifica
tion of an invention re the
treatment of India Rubber
forwarded to this office

13. To Thomas Kokrill, Colombo. G.1360 dt 29.8.10.
Authorizes him to file a specification of his invention referred to in Sl. 1

14. To Messrs. Remfry and Son, Calcutta. G.1361 dt 25 8/10
Forwards the above G.O. for transmission to the party Concerned.

15. From Messrs. Remfry and Son. Letter dt 10 2/11
Files four Copies of the specification and advises remittance of Rs. 30/-

16. To the Asst Comptr State Huzur Treasury
G. 4918 dt 23 2/11. Forwards Rs. 30/-
received with the above.

17. To the Compiler, Mysore Gazette. G. 4919 dt 23 2/11
Notifies the filing of the Specification of the invention.

18. To Messrs. Remfry and Son No. 4920 dt 23 2/11. Forwards Copy of above & receipt for Rs. 30 & files

19. To the Supdt Govt Museum, State Geologist, & Chief Engineer - No. G. 4921-3 dt 23 2/11
Forwards a Copy each of the Specification

20. From the Supdt Govt Museum No. 217 dt 24 2/11.
Acknowledges receipt of the specification.

21. To the Asst Comptr, State Huzur Treasury No. 343 dt 25 2/11
Acknowledges receipt of Rs. 30/-

22. From the State Geologist No. 1695 dt 28 2/11 } Acknowledge receipt of the Specification.

23. " " Chief Engineer. 1905 dt 6 3/11 }